

THIRD-ORDER LEVELING  
SEA LEVEL DATUM OF 1929

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

37-088-12  
SHAWNEETOWN QUADRANGLE  
135 KENTUCKY - 13 ILLINOIS  
N3730-W8800/15  
DIAGRAM NJ 16-7  
PADUCAH

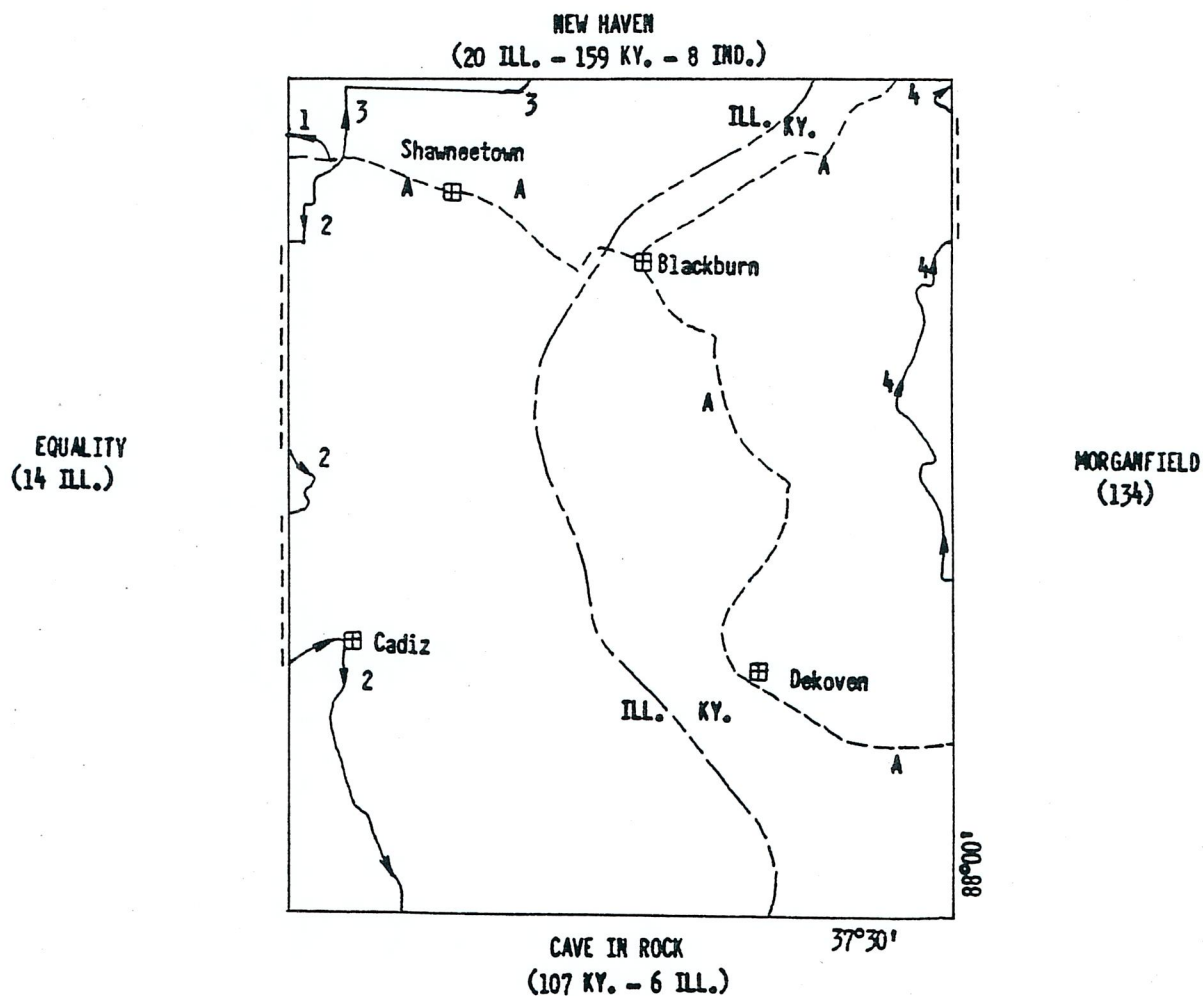
Gallatin & Hardin Counties, Illinois  
Crittenden & Union Counties, Ky.

Final adjustment of 1966

Edition of 3/15/74

PR: LFB/mjh

Only the permanent  
marks are listed  
for lines run more  
than 25 years before  
edition date



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370881

135 KENTUCKY  
13 ILLINOIS  
SWANEETOWN QUADRANGLE

37-088-12  
W3730-W8800/15

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ISOLATED BENCH MARKS (By T. A. Green, 1906, Book A6425; W. H. Monahan, 1908, A7429-30;  
R. G. Clinite, 1911 and 1914, A8740; F. B. Barrett, 1913, Book A9158)

Feet

Junction, 2.5 mi SE. of; 3.4 mi NW. of Old Shawneetown; 330 ft W. of rd. crossing; 50 ft N. of milepost "St. Louis 141 Shawneetown 5" in field; on iron post; standard cap designated "X 1 396" (Tied by NGS, 1949)	395.970
Old Shawneetown, 0.9 mi SW. of; 0.25 mi W. of Ohio River at Old Shawneetown railroad station; 75 ft SE. of centerline of graveled rd.; 11 ft NW. of SW. corner of railroad station; 2 ft NW. of wooden column supporting SW. corner of canopy; in concrete post 1.5 ft below ground; standard tablet stamped "PRIM TRAV STA NO 19 ILL 1911" (A 2-ft long concrete post with copper bolt was set on top of this mark by NGS, 1949)	348.940
Shawneetown; on E. side of levee; 100 ft E. of SE. corner of Riverside Hotel; in NE. corner of concrete base for cannon; standard tablet stamped "1906"	365.281
Shawneetown, 2.9 mi SW. of; S. of quarter corner between sections 11 and 12, T. 10 S., R. 9 E.; on NW. side of rd.; at residence of Green Canady; 1 ft S. of fence corner; on iron post; standard cap stamped "360" (Reported not found, 1957)	360.004
Shawneetown, 6.0 mi SW. of; 0.5 mi NE. of Saline Mines; W. of center of section 26, T. 10 S., R. 9 E.; 100 ft S. of center of junction of rd. S.; on iron post; standard cap stamped "PRIM TRAV STA NO 357" (Reported destroyed, 1957)	356.770
Saline Mines, 2.8 mi NW. of; 2.0 mi S. of Bowlesville; about 600 ft N. of S 1/4 corner section 16, T. 10 S., R. 9 E.; in SW. angle of junction of rd. SW. 64 ft SW. of 42-in. black-oak tree; on iron post standard cap stamped "388"	387.562
Cadiz, on W. side of rd., opposite I-rd. E.; on iron post; standard cap stamped "573" (Reported not found, 1957)	572.366
Rockcreek, opposite Oxford store; 70 ft N. and 30 ft E. of center of junction of rd. W.; in 10- by 12- by 29 in. sandstone rock, flush with ground; standard tablet stamped "570" (Reported not found, 1957)	569.216
Saline Tip Ferry, 1.5 mi SW. of; 0.3 mi N. of Carr Store; 0.25 mi S. of NE. corner section 11, T. 11 S., R. 9 E.; in SW. angle of rd. fork; 100 ft S. and 70 ft W. of 28-in. mulberry tree at fork; in sandstone ledge; standard tablet stamped "428" (Reported not found, 1957)	427.056
Carr Store, 2.9 mi SE. of; 2.6 mi NW. of Lamb; 6.2 mi N. of Cave in Rock; 0.25 mi E. of W. 1/4 corner section 24 T. 11 S., R. 9 E.; at junction of I-rd. S.; 25 ft N. and 4 ft W. of triangular grass plot; in 30- by 14- by 12 in. sandstone rock flush with ground; standard tablet stamped "385" (Reported destroyed, 1957)	384.913
Gum Grove, in NE. corner of frontyard of Ben F. Perkins; 40 ft NE. of NE. corner of residence; 34 ft SE. of E. face of silver poplar tree; 6 ft SW. of telephone pole; in 7- by 12- by 24-in. sandstone post; standard tablet stamped "386 ADJ 1903 PRIM TRAV STA NO 11" (Not found, 1953)	385.565
Grove Center, 4.72 miles S. of, 6 ft N. of large oak tree, 2 ft E. of wire fence at I-rds.; on iron post; standard cap stamped "369 , Adj., 1903"	368.720



ISOLATED BENCH MARKS (Cont'd.)Feet

Blackburn, at SW. corner of abandoned store building; on iron post; standard cap stamped "1906"	347.000
Blackburn, 3.6 mi SE. of; 50 ft SW. of rd. junction; in fence corner; on iron post; standard cap stamped "KY 376.970 KY 1906" (Tied by NGS, 1949)	376.919
Henshaw; 190 ft N. of rd. crossing; at NW. corner of store; on iron post; standard cap stamped "1906"	370.772
Grove Center, 10 ft W. of entrance to Charles Omer's store; in sandstone rock; standard tablet stamped "1906" (Reported destroyed, 1953)	389.729
Harding; 75 ft E. of station; on iron post; standard cap stamped "379 1906"	378.425
Henshaw, 3.3 mi SW. of; in E. face of "ANVIL ROCK", facing RR. track; standard tablet stamped "367" (Reported not found, 1953)	366.915
Dekoven, 0.3 mi S. of; in NW. corner of cement post of Ohio Valley Coal Co.'s tippie; standard tablet stamped "364" (Reported not found, 1953)	364.246
Dekoven, 2.2 mi S. of; in brick foundation post at SW. corner of coal mine office; standard tablet stamped "388"	387.416

LINE 1.

By J. R. Tate, 1961; Book CV 1306

0.0 Shawneetown, about 3.5 mi NE. along the Louisville and Nashville RR. from the City Water Tower; 0.3 mi W. of junction of L. & N. and Baltimore and Ohio RRs.; 588 ft E. of E. end of trestle No. 355 over drainage ditch; 181 ft E. along track from NW. corner of strip of timber on S. side of track; 33.5 ft N. of the N. rail; 72.5 ft W. of triangular blaze 8-in. pecan tree; 1.5 ft below track; in thick brush along right-of-way fence line; on iron post; standard cap stamped "1906 ILLINOIS" (Tied by NGS, 1949)	352.549
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LINE 2.

By W. P. Metcalfe, Jr., 1957; Book CV 828

0.0 "B 144 1949" (NGS)	363.313
0.9 U. E., junction at SW. corner of town; in NW 1/4 section 29, T. 9 S., R. 9 E.; 36 ft S. and 18 ft W. of center of I-rd. S.; in base of power pole, 6 in. above ground; rail spike	366.56
2.4 U. E., junction, 1.3 mi S. of, T. 9 S., R. 9 E.; 0.25 mi S. of corner sections 29, 30, 31 and 32; 24 ft N. and 21 ft W. of I-rd. N.; in base of power pole; rail spike	360.22

[Jogs into Equality quadrangle]

LINE 2 (Cont'd.)Feet

9.8	Gibsonia, 2.0 mi SE. of, along State Highway 1; T. 10 S., R. 9 E.; near corner sections 19, 20, 29 and 30; 234 ft NW. along rd. from I-rd. SW.; 33 ft normal to and on NE. side of rd.; 3 ft SW. of fence; 6 ft SW. of power pole; in concrete post; standard tablet stamped "3 WPM 1957 376"	375.536
9.8	Reference mark, 60 ft S. of tablet; in base of 36-in. elm tree; spike	375.90
[Jogs into Equality quadrangle]		
16.9	NGS Azimuth Mark, 22 ft NW. of the center of graveled rd.; 2 ft SW. of white witness post; 1 ft SE. of fence; the monument is flush with ground; NGS standard Azimuth mark disk stamped "GOOSE 1957"	618.782
17.9	U. E., 3.0 mi E. along rd. from tablet; T. 11 S., R. 9 E., near center of section 8; 45 ft W. and 45 ft S. of center of rd. at private drive N.; in a power pole; rail spike	551.43
18.3	At Cadiz, T. 11 S., R. 9 E., 0.25 mi N. of quarter corner between sections 8 and 9; 18 ft N. and 90 ft W. of center of I-rd. S.; 15 ft S. and 57 ft W. of SW. corner of house; in concrete post; standard tablet stamped "6 WPM 1957 565"	565.19
18.3	Reference mark, 58 ft SE. of tablet; in base of 14-in. oak tree; rail spike	564.66
19.1	U. E., 0.8 mi S. along rd. to Rock Creek from tablet; T. 11 S., R. 9 E., in SW. corner sections 8; 80 ft S. along rd. from center of bridge over Harris Creek; 33 ft normal and on SW. side of rd.; in power pole; rail spike	370.77
19.8	U. E., 1.5 mi S. along rd. from tablet; T. 11 S., R. 9 E., near center section 17; 57 ft E. and 15 ft N. of I-rd. W.; 48 ft E. of center of rd.; in power pole; rail spike	401.76
20.6	U. E., Rock Creek, 0.5 mi N. of, along rd.; T. 11 S., R. 9 E.; near center section 20; on W. footing of low water bridge; chiseled square	451.70
21.1	Standard tablet stamped "7 WPM 1957 566" (Reported destroyed 1/5/59 R.C.L.)	565.789
21.1	Reference mark, 213 ft S. of tablet; in base of power pole; rail spike	567.86
22.7	New Rock Creek, 0.9 mi S. of along rd.; T. 11 S., R. 19 E., in SW 1/4 section 28; 39 ft N. and 118 ft W. of N. apex of triangle formed by junction of rds. N.-S. and W.; 32 ft W. of center of N.-S. rd.; 2 ft N. of fence; in edge of field; in concrete post; standard tablet stamped "8 WPM 1957"	632.256
22.7	Reference mark, 133 ft S. of tablet; in base of 18-in. oak tree; rail spike	625.36
23.5	U. E., 0.7 mi S. along rd. from tablet; T. 11 S., R. 9 E., near center section 33; 75 ft S. and 16 ft E. of I-rd. E.; in base of power pole; rail spike	514.59
24.0	U. E., 1.3 mi S. along rd. from tablet; T. 12 S., R. 9 E., in NE. corner section 4; 30 ft N. of I-rd. NE.; in base of power pole; rail spike	525.55



1957

LINE 3.

Feet

By M. V. Thompson, 1957; CV 844

- 0.0 "B 144 1949" (NGS) (Also in line 2) 363.313
- 1.7 Shawneetown, 2.0 mi N. and 2.3 mi W. of; near corner sections 8, 9, 16 and 17, T. 9 S., R. 9 E.; 450 ft S. of Y-rd. S.; 19 ft E. of center of rd.; 7 ft N. and 9 ft E. of center of E. headwall of concrete culvert; 6 ft N. of 8-in. hackberry; in concrete post; standard tablet stamped "19 MI 1957 356" 355.870
- 1.7 Reference mark, center of S. end of W. headwall of concrete culvert opposite tablet; chiseled square 355.64
- 4.1 Shawneetown, 1.7 mi N. and 0.8 mi W. of; near center of NE 1/4 section 15, T. 9 S., R. 9 E.; at N. end of sharp curve in rd.; at entrance to Hillview Farms; 17 ft W. of center of rd.; 14 ft N. of center of driveway; 3 ft E. of fence corner post; in concrete post; standard tablet stamped "20 MI 1957 374" 374.082
- 4.0 Reference mark, 0.3 mi N. of tablet; 25 ft E. of centerline of rd.; in transformer power pole; rail spike 364.31
- 5.0 U. E., 40 ft NW. of T-rd. W.; top of N. end of concrete pipe culvert; chiseled square 457.18
- 5.4 U. E., top of concrete right-of-way marker; 13 ft S. of dirt T-rd. E.; 50 ft E. of graveled rd. N.-S.; (Easternmost right-of-way marker of two) 379.34
- 7.2 Shawneetown, 2.4 mi N. and 1.4 mi E. of; in SE 1/4 section 12, T. 9 S., R. 9 E.; at N. end of public rd. leading to T. O. Legsdon farm property; 25 ft E. of center of rd.; 31 ft S. of center of small wooden bridge; 15 ft NW. of 5 ft elm tree; 10 ft N. of group of mailboxes; 1 ft W. of fence; in concrete post; standard tablet stamped "21 MI 1957 392" 392.292
- 7.2 Reference mark, 200 ft NE. of tablet; in fence corner post at SW. corner of barn lot; rail spike 392.97

LINE 4.

By J. E. McClane, 1950; Book AV 172

- Sturgis, 1.6 mi W. along U. S. Highway 60 from city water tank; thence 6.0 mi W. and N.; along graveled rd.; 0.6 mi SE. of Grove Center, along graveled rd.; 19 ft N. and 15 ft W. of, and level with center of rds. at rd. intersection near small wooden bridge; about 18 ft E. of small stream, in parapet wall of culvert; standard tablet stamped "JEM 30 1950 RESET 1955" (No elevation available)
- Grove Center, 600 ft N. of RR. crossing, thence 1.08 mi NW. along graveled rd.; 23 ft N. and 21 ft W. of, and 2 ft higher than center of T-rd. W.; in concrete post; standard tablet stamped "JEM 31 1950 372" 371.392

LINE 4 (Cont'd.)Feet

Grove Center, 600 ft N. of RR. crossing, thence 3.48 mi NW. along graveled rd. to intersection with State Highway 56; 11 ft S. of and 1 ft higher than center of State Highway 56, in S. corner of traffic triangle; 2 ft S. of mailboxes, in concrete post set 2 in. above surface; standard tablet stamped "JEM 32 1950 464"

464.131

Morganfield, 4.0 mi W. of along State Highway 56; 15 ft W. of W. end of S. side of concrete bridge over Sugg Creek; 14 ft S. of center of hwy.; in concrete post; USED standard disk stamped "TT HC 1 1946"

380.124

Morganfield, from post office go W. on State Highway 56 for 3.9 mi; 27 ft E. of telephone pole 91; 24 ft N. of center of State Highway 56; 7 ft S. of E.-W. fenceline; in concrete post, USED standard disk stamped "TT HC 2 1946"

393.429

U. E., 15 ft E. of, and level with center of State Highway 268; on NE. corner of E. headwall of concrete bridge; chiseled square

390.97

[Jogs into Morganfield quadrangle]

Grove Center, 600 ft N. at RR. crossing, thence 1.08 mi NW. along graveled rd.; thence 3.5 mi NE. along graveled rd.; thence 0.46 mi along State Route 56, thence 4.6 mi NE. along State Route 268, thence 1.91 mi NW. along graveled rd.; 28 ft SE. and 15 ft SW. of and 4 ft higher than center of rd. intersection; 6 ft E. and 12 ft N. of N. gate post; in concrete post; standard tablet stamped "34 JEM 1950 479"

478.532

HORIZONTAL CONTROL  
NORTH AMERICAN DATUM OF 1927

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

37-088-12  
SHAWNEETOWN QUADRANGLE  
35 KY.-13 ILL.  
#3730-#8800/15  
DIAGRAM NJ 16-7  
PADUCAH

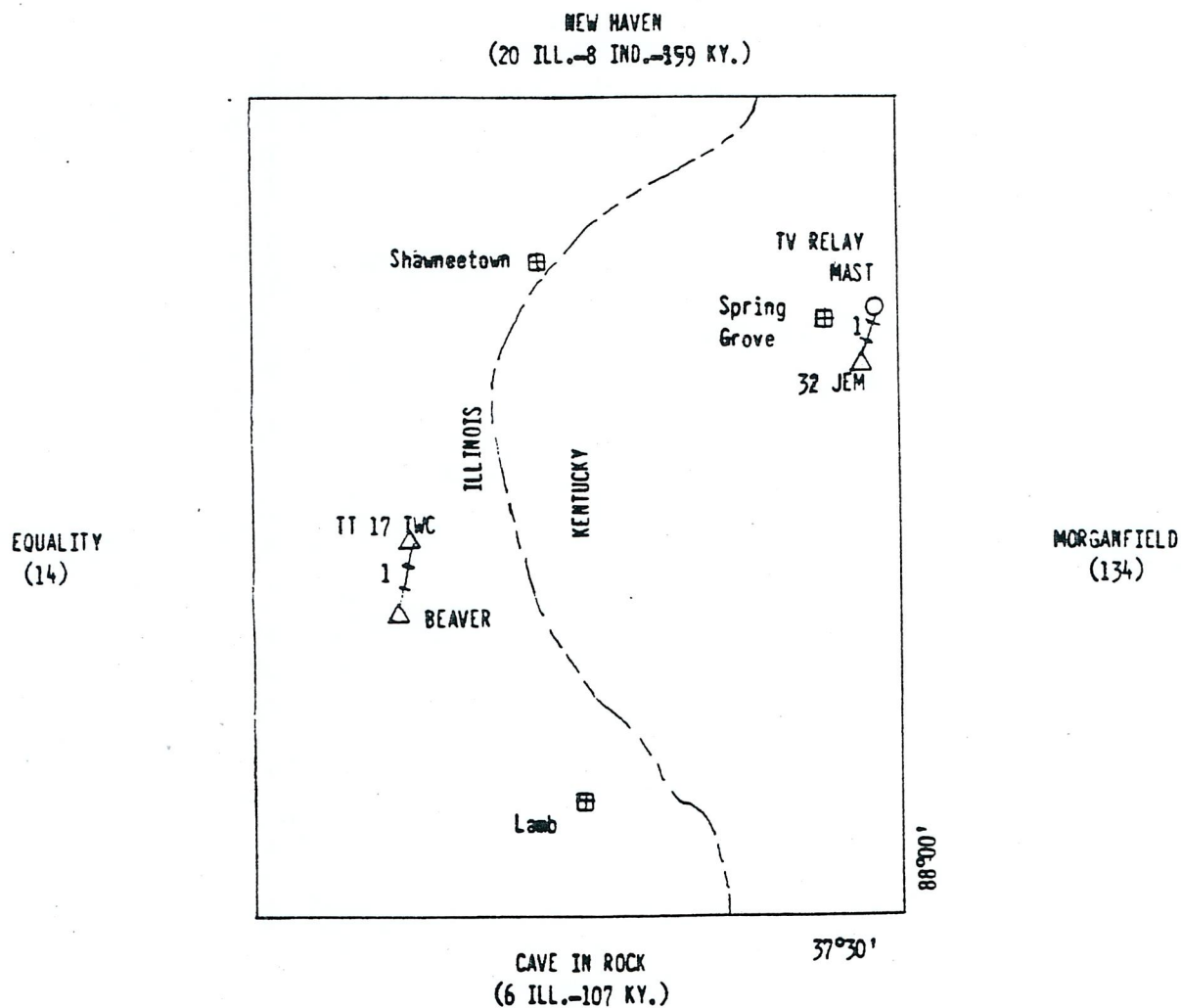
Gallatin and Hardin Counties, Ill.;  
Crittenden and Union Counties, Ky.

Only the permanent marks are  
listed for control classified  
obsolete and are not shown on  
sketch

Edition of 1/24/77

PR: CRV/rmm

Plane coordinates are based on transverse Mercator  
projection, Illinois, East Zone, and Lambert  
projection, Kentucky, South Zone





DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

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135 KY.-13 ILL.  
SHAWNEETOWN QUADRANGLE

37-088-12  
3

STATION DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
• • •

LONGITUDE  
• • •

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By J. R. Ellis, 1904; Book 3542

Gum Grove, in NE. corner of frontyard of Ben F. Perkins; 40 ft NE. of NE. corner of residence; 34 ft SE. of E. face of silver poplar tree; 6 ft SW. of telephone pole; in 7- by 12- by 24-in. sandstone post; standard tablet stamped "386 ADJ 1903 PRIM TRAV STA NO 11" (Not found, 1953)

Ky. S.) X = 1,346,455 Y = 474,722 37 36 56.80 88 00 23.40

By J. R. Ellis, 1908; Book A1222

Shawneetown, about 6.0 mi SW. of; 0.3 mi NW. of residence of C. B. Swagirt; at crossroads; 40 ft N. and 30 ft E. of centerline of crossroads; on iron post; standard cap stamped "PRIM TRAV STA NO 33 ILL 1908"

X = 1,278,468 Y = 480,883 37 37 40.80 88 14 30.10

By J. R. Ellis, 1911; Books A2057 and A2058

Shawneetown, 6.3 mi S. of; 0.5 mi NE. of Saline Mines; in W. 1/2 sec. 26, T. 10 S., R. 9 E.; 100 ft S. of centerline of rd. at junction of rd. S.; on iron post; standard cap stamped "PRIM TRAV STA NO 18 ILL 1911" (Reported destroyed, 1957)

X = 1,295,068 Y = 477,992 37 37 16.50 88 11 02.90

By T. W. Cayce, 1951; Book AH 226

Sturgis, 1.6 mi N. of city water tank, along U.S. Highway 60, thence 6.0 mi W. and N. along graveled rd.; 0.6 mi SE. of Grove Center, along graveled rd.; 19 ft N. and 15 ft W. of, and level with centerline of rd. at intersection near small of, and level with centerline of rd. at intersection near small wooden bridge; about 18 ft E. of small stream; in parapet wall of culvert; standard tablet stamped "30 JEM 1950 379" (Reported reset 1955) (No position available)

Grove Center, 600 ft N. of RR. crossing, thence 1.1 mi NW. along graveled rd.; 23 ft N. and 21 ft W. of, and 2.0 ft higher than centerline of rd. at junction of I-rd. W.; in concrete post; standard tablet stamped "31 JEM 1950 372"

X = 1,341,861 Y = 488,671 37 39 13.57 88 01 24.65



STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Grove Center, 600 ft N. of RR. crossing, thence 1.1 mi NW. along graveled rd., thence 3.5 mi NE. along graveled rd., thence 0.5 mi along State Highway 56, thence 4.6 mi NE. along State Highway 268, thence 1.9 mi NW. along graveled rd.; 28 ft SE. and 15 ft SW. of, and 4.0 ft higher than centerline of rd. at intersection; 12 ft N. and 6 ft E. of N. gatepost; in concrete post; standard tablet stamped "34 JEM 1950 479"

Ky. S.)	X = 1,346,886	Y = 522,092	37 44 45.10	88 00 32.12
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Shawneetown, 4.1 mi N. of, along graveled rd. to junction of I-rd.; 65 ft E. of rd. to Ferrher Lake; 28 ft SE. of centerline of graveled rd.; 22 ft NW. of SW. fence corner; in concrete post; standard tablet stamped "TI 13 TwC 1951" (Reported destroyed, 1971)

	X = 1,318,009	Y = 523,697	37 44 53.97	88 06 32.02
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Shawneetown, 2.0 mi N. of, along graveled rd.; 32 ft E. of centerline of graveled rd.; 12 ft N. of small drainage ditch; 62 ft W. of 33-in. oak tree; across rd. and in line with E.-W. fenceline; in concrete post; standard tablet stamped "TI 14 TwC 1951" (Reported destroyed, 1971)

	X = 1,313,126	Y = 514,431	37 43 21.18	88 07 29.88
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Shawneetown, about 0.8 mi S. of L. & N. RR. station, along graveled rd.; at junction of abandoned rd. leading SE. and curve in rd. with tangents NE. and NW.; 48 ft NW. of 20-in. pecan tree; 56 ft NE. of centerline of abandoned rd. SE.; 36 ft NE. of fence corner; 28 ft SE. of centerline of rd. NE.; 1 ft NW. of fenceline; about level with rd. NE.; in concrete post; NGS standard disk stamped "T 143 1949" (Reported destroyed, 1971)

	X = 1,305,491	Y = 500,418	37 41 00.78	88 09 00.47
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Shawneetown, 2.0 mi S. of, along graveled rd. to Y-rds., thence 0.9 mi W. (left) to I-rd.; 50 ft S. and 20 ft W. of centerline of rd. at junction of I-rd. S.; 64 ft SW. of powerline junction pole; 2 ft E. of wire fence; in concrete post flush with ground; standard tablet stamped "TI 15 TwC 1951"

	X = 1,296,825	Y = 500,201	37 40 56.45	88 10 48.15
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STATION DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
• ' "

LONGITUDE  
• ' "

OBsolete MARKS (Cont'd.)

Shawneetown, 2.0 mi S. of, along graveled rd. to Y-rd., thence 0.9 mi W. (left) to junction of I-rd. S., thence 2.0 mi S. (left) along graveled rd.; 18 ft S. and 30 ft E. of centerline of rd. at junction of driveway; 15 ft W. of NW. corner fence of field; in concrete post; standard tablet stamped "TI 16 IWC 1951"

Ky. S.) X = 1,296,595 Y = 488,592 37 39 01.65 88 10 47.31

Saline Mines School, 2.1 mi E. of, along graveled and dirt rd. to dim I-rd.; 3 ft E. of 36-in. hackberry tree with triangular blaze; in concrete post projecting about 12 in.; standard tablet stamped "TI 18 IWC 1951"

X = 1,304,182 Y = 475,088 37 36 50.10 88 09 08.74

Saline Mine School, 2.1 mi E. of, along dirt and graveled rd. to Ohio River, thence 2.3 mi S. along river rd. to I-rd.; 235 ft inland (WSW.) of I-rd.; 6 ft NE. of 44-in. maple tree with triangular blaze; 66 ft SSE. of junction of field rd.; in concrete post projecting 8 in.; standard tablet stamped "TI 19 IWC 1951"

X = 1,307,544 Y = 464,318 37 35 04.49 88 08 23.70

St. Johns School, 0.3 mi S. of, along graveled rd. to Y-rds.; 50 ft N. and 30 ft E. of junction of Y-rd.; 30 ft W. of center of wooden bridge over drain; 77 ft W. of mailbox of William Tucker; in concrete post; standard tablet stamped "TI 20 IWC 1951"

X = 1,306,997 Y = 453,444 37 33 16.88 88 08 27.20

Lamb, 0.5 mi NW. of, along graveled rd. up steep hill, thence 0.1 mi W. to residence; 18 ft N. and 40 ft W. of centerline of rd. at junction of driveway; 6 ft SW. of powerline pole; 6 ft NW. of 5-in. white elm tree; in SE. corner of lawn; in concrete post; standard tablet stamped "TI 21 IWC 1951"

X = 1,310,961 Y = 446,863 37 32 12.82 88 07 35.68

Lamb, 0.9 mi E. of, along graveled rd. to Y-rd., thence 0.5 mi SE. (right) to Y-rd.; 53 ft S. and 11 ft E. of center of triangle formed by Y-rd.; 8 ft S. of powerline stub pole; 18 ft NNE. of 36-in. maple tree; 75 ft N. of, and in line with N. and S. fence line; in concrete post; standard tablet stamped "TI 22 IWC 1951"

(Reported destroyed, 1967)

X = 1,316,646 Y = 441,048 37 31 16.75 88 06 23.31

Lamb, 0.9 mi E. of, along graveled rd. to Y-rd., thence 0.5 mi SE. (right) to Y-rd., thence 2.0 mi SE. (left) along graveled rd.; 18 ft S. and 24 ft E. of centerline of rd. at junction of driveway; 15 ft E. of centerline of rd.; 3 ft E. of mailbox of R. W. Frailey; in concrete post; standard tablet stamped "TI 23 IWC 1951"

X = 1,323,203 Y = 434,038 37 30 09.07 88 04 59.80

135 KY.-13 ILL.  
SHAWNEETOWN QUADRANGLE

37-088-12  
6

STATION            DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
° ' "

LONGITUDE  
° ' "

OBsolete MARKS (Cont'd.)

Bell Mines School, 0.7 mi S. of, along graveled rd. to offset crossroad, thence 1.0 mi SW. (right) along graveled rd. to woods rd. SSE.; 25 ft S. of junction of woods rd. SSE.; 20 ft S. of fence corner; 2 ft SW. of wire fence; in concrete post; standard tablet stamped "T1 25 TWC 1951"

Ky. S.)      X = 1,339,614      Y = 434,142      37 30 14.16      88 01 36.24

Sturgis, 1.9 mi S. of RR. crossing, along paved and graveled rd.; 25 ft S. and 65 ft W. of crossroads; 390 ft NNE. of small concrete bridge; in NE. apex of large grassy triangle; in concrete post; standard tablet stamped "T1 26 TWC 1951"

X = 1,345,067      Y = 442,016      37 31 33.16      88 00 30.93

By M. V. Thompson, 1957; Book CH 878

Cave In Rock, 4.0 mi N. of, along State Highway 1; at T-rd. W.; near center of W. 1/2 sec. 25, T. 11 S., R. 9 E.; 190 ft N. of centerline of rd. at junction of T-rd.; 39 ft E. of centerline of hwy.; 12 ft S. of centerline of driveway E. to farmhouse; 1 ft W. of fence corner post; in concrete post; standard tablet stamped "T1 8 MT 1957"

X = 1,300,322      Y = 445,516      37 31 56.84      88 09 47.28

MARK TIED BY NGS

By T. W. Cayce, 1951; Book AH 226

Old Shawneetown, 0.9 mi SW. of; 0.25 mi W. of Ohio River at Old Shawneetown railroad station; 75 ft SE. of centerline of graveled rd.; 11 ft NW. of SW. corner of railroad station; 2 ft NW. of wooden beam supporting SW. corner of canopy; in concrete post 1.5 ft below ground; standard tablet stamped "PRIM TRAV STA NO 19 ILL 1911" (Note: A 2-ft long concrete post with copper bolt was set on top of this mark by NGS in 1949 and tied by NGS, 1957. Stamping on cap was difficult to read)  
(Not found, 1971)

X = 1,308,391      Y = 503,516      37 41 32.13      88 08 25.38



135 KY.-13 ILL.  
SHAWNEETOWN QUADRANGLE

37-088-12  
7

STATION DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
° ' "

LONGITUDE  
° ' "

THIRD-ORDER ELECTRONIC TRAVERSE

Final adjustment of 1966

LINE 1.

By R. L. Todd, 1963; Book AH 818

NGS standard triangulation station disk stamped "BEAVER 1957"

KY S.) X = 1,292,442 Y = 467,944 37 35 36.522 88 11 32.294

Saline Mines School, about 0.3 mi E. of, along graveled rd. to five point rd. intersection; 15 ft S. of centerline of rd.; 150 ft E. of crossroads; 50 ft E. of junction of V-rd.; in concrete post; standard tablet stamped "T1 17 TWC 1951"

X = 1,295,082 Y = 477,968 37 37 16.27 88 11 02.71

NGS triangulation station designated "SPRING GROVE TV RELAY MAST 1960"

X = 1,345,185 Y = 501,076 37 41 16.986 88 00 47.014

Grove Center, 600 ft N. of RR. crossing, thence 3.5 mi NW. along graveled rd. to intersection of State Highway 56; 11 ft S. of, and 1.0 ft higher than centerline of Highway 56; in S. corner of traffic triangle; 2 ft S. of mailboxes; in concrete post projecting 2 in.; standard tablet stamped "32 JEM 1950 464"

X = 1,344,490 Y = 499,268 37 40 58.95 88 00 55.13